

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date  
11 November 2004 (11.11.2004)

PCT

(10) International Publication Number  
**WO 2004/097832 A3**

- (51) International Patent Classification<sup>7</sup>: **G11B 27/10, 27/034**
- (21) International Application Number: **PCT/US2004/012459**
- (22) International Filing Date: **23 April 2004 (23.04.2004)**
- (25) Filing Language: **English**
- (26) Publication Language: **English**
- (30) Priority Data: **60/465,156 24 April 2003 (24.04.2003) US**
- (71) Applicant (for all designated States except US): **THOMSON LICENSING S.A. [FR/FR]; 46, Quai A. Le Gallo, F-92100 Boulogne-Billancourt (FR).**
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **CSICSATKA, Tibor, George [US/US]; 404 Washingtonia Drive, San Marcos, CA 92078 (US). MASSEY, Matt, Liam [US/US]; 169 W. Bernardo 100, San Diego, CA 92127-1623 (US). PETERS, Martin, George [US/US]; 14038 Woodlark Drive, Fishers, IN 46038 (US).**
- (74) Agents: **TRIPOLI, Joseph et al.; c/o Thomson Licensing, Inc., Two Independence Way, Suite 200, Princeton, NJ 08540 (US).**

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

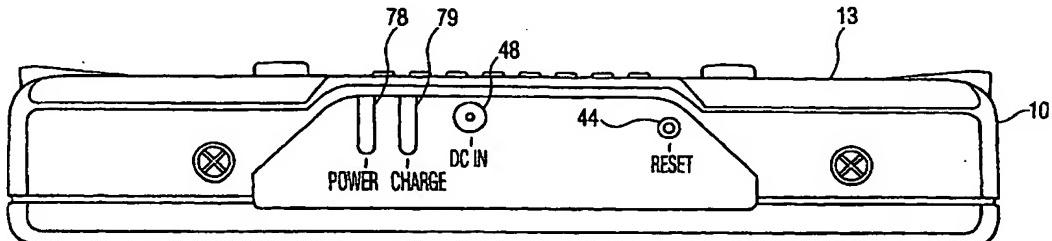
Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:  
**20 January 2005**

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: CREATION OF PLAYLISTS USING AUDIO IDENTIFICATION



**WO 2004/097832 A3**

(57) Abstract: A method for creating a playlist uses audio clips (i.e. a segment or portion of predetermined or selectable audio content from an audio data file) for audio data file recognition. Attributes of an audio clip may be selectable by the user such as length of playing time, audio file portion, an audio file category, data in an ID3 tag or the like. A user interface allows the user to add identifying data representative of an audio data file associated with an audio clip to the playlist. The method is applicable to all types of devices that play back audio content from a multitude of stored audio content. In particular, the method includes playback of an audio clip from each one of a set of audio data files during the playing of the audio clip. During playback of a particular audio clip, the user may add the selection to the playlist. Particularly, identifying data representative of an audio file associated with the currently playing audio clip is added to the playlist in response to user input. A user interface allows a single button or control to add content to a default, currently selected, or selectable playlist.

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/US2004/012459

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 G11B27/10 G11B27/034

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 G11B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 243 328 B1 (ZOELS JAN-CHRISTOPH ET AL) 5 June 2001 (2001-06-05) column 2, line 33 – column 9, line 54 -----	1-21
A	EP 1 205 934 A (TOKYO SHIBAURA ELECTRIC CO) 15 May 2002 (2002-05-15) paragraph '0107! – paragraph '0115!; claims -----	1-21
A	US 2002/045960 A1 (GIBBS ERIC P ET AL) 18 April 2002 (2002-04-18) paragraph '0028! – paragraph '0031! -----	1-21

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

\* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*&\* document member of the same patent family

Date of the actual completion of the International search

12 November 2004

Date of mailing of the International search report

23/11/2004

Name and mailing address of the ISA  
European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

D'Attilia, M

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International Application No  
PCT/US2004/012459

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 6243328	B1	05-06-2001	NONE		
EP 1205934	A	15-05-2002	JP	2002152665 A	24-05-2002
			JP	2002152666 A	24-05-2002
			EP	1205934 A2	15-05-2002
			US	2002127001 A1	12-09-2002
US 2002045960	A1	18-04-2002	NONE		